

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FR2004/002863

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B60H1/00 F28D20/02 F28D1/053

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B60H F28D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| P,X | FR 2 847 973 A (VALEO CLIMATISATION) 4 June 2004 (2004-06-04) the whole document | 1-28 |
| X | EP 1 221 389 A (BEHR GMBH & CO) 10 July 2002 (2002-07-10) the whole document | 1-28 |
| A | US 2002/178745 A1 (KAMPF HANS) 5 December 2002 (2002-12-05) the whole document | 1-28 |

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

7 June 2005

Date of mailing of the international search report

22/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bain, D

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FR2004/002863

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| FR 2847973 | A | 04-06-2004 | FR 2847973 A1 | 04-06-2004 |
| | | | EP 1424531 A2 | 02-06-2004 |
| | | | JP 2004184071 A | 02-07-2004 |
| | | | US 2004104020 A1 | 03-06-2004 |
| <hr/> | | | | |
| EP 1221389 | A | 10-07-2002 | DE 20115273 U1 | 08-05-2002 |
| | | | DE 10156882 A1 | 29-08-2002 |
| | | | DE 10156944 A1 | 11-07-2002 |
| | | | EP 1221389 A2 | 10-07-2002 |
| | | | EP 1221390 A2 | 10-07-2002 |
| | | | JP 2002274165 A | 25-09-2002 |
| | | | JP 2002225536 A | 14-08-2002 |
| | | | US 2002088248 A1 | 11-07-2002 |
| | | | US 2002088246 A1 | 11-07-2002 |
| | | | US 2004093889 A1 | 20-05-2004 |
| <hr/> | | | | |
| US 2002178745 | A1 | 05-12-2002 | DE 10126221 A1 | 05-12-2002 |
| | | | AT 273145 T | 15-08-2004 |
| | | | DE 50200784 D1 | 16-09-2004 |
| | | | EP 1262344 A1 | 04-12-2002 |
| | | | JP 2002362138 A | 18-12-2002 |
| <hr/> | | | | |